

REMARKS

Claims 1 through 22 were presented for examination and were rejected.

The claims 17 and 22 have been amended to correct inadvertent typographical errors; the other claims remain unchanged.

The applicants respectfully request reconsideration in light of the following comments.

35 U.S.C. 101 Rejection of Claim 15

Claim 15 has been rejected under 35 U.S.C. 101 because the claimed invention lacks "patentable utility." The applicants respectfully traverse.

Claim 15 recites:

15. (Original) A method comprising:
receiving a request for a first resource and a hash key that is a hashed function of a first resource identifier;
retrieving said first resource and said first resource identifier from a data structure that is indexed by said hash key; and
transmitting said first resource and said first resource identifier in response to said request for said first resource.
(*emphasis supplied*)

Claim 15 recites the receiving, retrieving, and transmission of various items, and, as such, achieves a "useful, concrete, and tangible result" in accordance with the Patent Office's Interim Guidelines for Examiner of Patent Applications for Patent Subject Matter Eligibility. This is true whether the request, hash key, resource identifiers, and resources are, for example, electromagnetic signals, papers, or papyrus scrolls. For this reason, the applicants respectfully submit that claim 15 recites patentable subject matter within the requirement of 35 USC 101 and that the rejection is overcome.

35 U.S.C. 112 Rejection of Claim 22

Claim 22 has been rejected under 35 U.S.C. 112, Second Paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the applicant regards as the invention. Claim 22 has been amended, and the applicants respectfully submit that the claim, as amended, overcomes the rejection.

35 U.S.C. 102 Rejection of Claims 1-20

Claims 1 through 20 were rejected under 35 U.S.C. 102(b) as being anticipated by R.P. Draves, U.S. Patent 5,802,590 (hereinafter "Draves"). The applicants respectfully traverse the rejection.

Claim 1 recites:

1. (original) A method comprising:
hashing at **a first processor** a first resource identifier to create a hash key, wherein said first resource identifier identifies a first resource;
transmitting from said first processor to a second processor said hash key and a request for said first resource; and
receiving at said first processor **a second resource** in response to the transmission of said hash key and said request for said first resource.
(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 1 recites – namely multiple **processors**. In contrast, Draves teaches multiple **processes**. Processes and processors are not the same thing. A process is a logical programming construct. A processor is hardware. The words are similar, but the ideas are substantially different, and the apportioning of tasks among different processes is not the same thing as the apportioning of tasks among different processors. And this is bolstered by the fact that the present invention and claim 1 address two different problems.

This difference in processes and processors is highlighted by the fact that the structure of the invention and Draves are different. For example, even if processors and processes were the same thing, Draves does not teach or suggest what claim 1 recites. The following comparison of the invention as recited in claim 1 and Draves shows the difference.

	Claim 1	Draves
What entity hashes the first resource identifier to create a hash key?	First processor	First process
What entity transmits the hash key and a request ¹ for the resource?	<u>First</u> processor	<u>Second</u> process
What entity receives ² a resource in response to the transmission of the hash key and the request for the resource?	<u>First</u> processor	<u>Second</u> process

Table 1 – Structural Comparison of Claim 1 versus Draves

In other words, the division of “labor” between the first processor and the second processor in the invention is substantially different than the division of “labor” between the first process and the second process in Draves.

For these reasons, the applicants respectfully submit that the rejection of claim 1 is traversed. Because claims 2 through 7 depend on claim 1, the applicants respectfully submit that the rejection of them is also traversed.

Claim 8 recites:

8. (Original) An apparatus comprising:

a first processor for hashing a first resource identifier to create a hash key, wherein said first resource identifier identifies a first resource;

a transmitter for transmitting said hash key and a request for said first resource to **a second processor**; and

a receiver for receiving a second resource in response to the transmission of said hash key and said request for said first resource.

(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 8 recites – namely a transmitter for transmitting from a first processor to a second processor a hash key and the request for a resource that is identified

¹ The applicants respectfully submit that the invention’s request for a resource and Draves’ request to access a resource are different, but that distinction is disregarded solely for the purposes of accentuating the structural difference between Draves and the present invention.

² The applicants respectfully submit that the invention’s reception of a resource and Draves’ access to a resource are different, but that distinction is disregarded solely for the purposes of accentuating the structural difference between Draves and the present invention.

by said hash key. In this regard, the above arguments for distinguishing Draves from the present invention are equally valid.

For this reason, the applicants respectfully submit that the rejection of claim 8 is traversed.

Because claims 9 through 14 depend on claim 8, the applicants respectfully submit that the rejection of them is also traversed.

Claim 15 recites:

15. (Original) A method comprising:
receiving a request for a first resource and a hash key that is a hashed function of a first resource identifier;
retrieving said first resource and said first resource identifier from a data structure that is indexed by said hash key; and
transmitting said first resource and said first resource identifier in response to said request for said first resource.
(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 15 recites – namely transmitting the first resource. The granting of access to a resource and the transmission of a resource are quite different.

For this reason, the applicants respectfully submit that the rejection of claim 15 is traversed.

Claim 16 recites:

16. (Original) An apparatus comprising:
a receiver for receiving a request for a first resource and a hash key that is a hashed function of a first resource identifier;
a processor for retrieving said first resource and said first resource identifier from a data structure that is indexed by said hash key; and
a transmitter for transmitting said first resource and said first resource identifier in response to said request for said first resource.
(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 16 recites – namely the transmitting of the first resource. Here too, the granting of access to a resource and the transmission of that resource are two different things.

For this reason, the applicants respectfully submit that the rejection of claim 16 is traversed.

Claim 17, as amended, recites:

17. (Currently Amended) A method comprising:

- receiving at a first processor a first resource identifier that identifies a first resource, a hash key that is a hashed function of said first resource identifier, and a request for a first resource;
- retrieving a second resource and a second resource identifier from a data structure that is indexed by said hash key;
- verifying that said second resource is said first resource by comparing said second resource identifier to said first resource identifier; and
- transmitting said second resource*** from said first processor when said second resource is verified as said first resource.

(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 17 recites – namely the transmitting of the second resource. Here too, the granting of access to a resource and the transmission of that resource are two different things.

For this reason, the applicants respectfully submit that the rejection of claim 17 is traversed.

Claim 18, as amended, recites:

18. (Currently Amended) An apparatus comprising:

- a receiver for ***receiving from a first processor*** a first resource identifier that identifies a first resource, a hash key that is a hashed function of said first resource identifier, and a request for a first resource;
- a second processor*** for retrieving a second resource and a second resource identifier from a data structure that is indexed by said hash key, and for verifying that said second resource is said first resource by comparing said second resource identifier to said first resource identifier; and
- a transmitter for ***transmitting said second resource to said first processor*** when said second resource is verified as said first resource.

(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 18 recites –namely multiple processors.

For this reason, the applicants respectfully submit that the rejection of claim 18 is traversed.

Claim 19 recites:

19. (Original) A method comprising:

hashing at a **first processor** a first resource identifier to create a hash key, wherein said first resource identifier identifies a first resource;

transmitting from said first processor to a **second processor** said hash key and a request for said first resource when said all or a portion of said hash key is contained in a list of valid hash keys associated with said first processor; and

receiving at said first processor said first resource in response to the transmission of said hash key and said request for said first resource.

(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 19 recites – namely multiple processors.

For this reason, the applicants respectfully submit that the rejection of claim 19 is traversed.

Claim 20, as amended, recites:

20. (Currently Amended) An apparatus comprising:

a **first processor** for hashing a first resource identifier to create a hash key, wherein said first resource identifier identifies a first resource, and for verifying that all or a portion of said hash key is contained in a list of valid hash keys;

a transmitter for transmitting from said first processor to a **second processor** said hash key and a request for said first resource; and

a receiver for receiving said first resource in response to the transmission of said hash key and said request for said first resource.

(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 20 recites – namely multiple processors.

For this reason, the applicants respectfully submit that the rejection of claim 20 is traversed.

35 U.S.C. 102 Rejection of Claims 21 and 22

Claims 21 and 22 were rejected under 35 U.S.C. 103(a) as being anticipated by R.P. Draves, U.S. Patent 5,802,590 (hereinafter "Draves") in view of J. Takahashi, U.S. Patent 5,428,774 (hereinafter "Takahashi"). The applicants respectfully traverse the rejection.

Claim 21, as amended, recites:

21. (Currently Amended) A method comprising:
receiving from **a first processor** a request for a first resource and a first hash key that is a hashed function of a first resource identifier;
retrieving a second resource and a first portion of a second hash key from a data structure that is indexed by a first portion of said first hash key;
verifying that said second resource is said first resource by comparing a second portion of said first hash key to said first portion of said second hash key; and
transmitting said second resource to said first processor when said second resource is verified as said first resource.
(emphasis supplied)

Nowhere does Draves teach or suggest, alone or in combination with the other references, what claim 21 recites – namely transmitting resources to a processor.

For this reason, the applicants respectfully submit that the rejection of claim 21 is traversed.

Claim 22, as amended, recites:

22. (Currently Amended) An apparatus comprising:
a receiver for receiving from **a first processor** a request for a first resource and a first hash key that is a hashed function of a first resource identifier;
a second processor for retrieving a second resource and a first portion of a second hash key from a data structure that is indexed by a first portion of said first hash key, and for verifying that said second resource is said first resource by comparing a second portion of said first hash key to said first portion of said second hash key; and
a transmitter for transmitting said second resource to said first processor when said second resource is verified as said first resource.
(emphasis supplied)

Nowhere does Draves or teach or suggest, alone or in combination with the other references, what claim 22 recites – namely multiple processors – and Takahashi fails to cure this deficiency.

For this reason, the applicants respectfully submit that the rejection of claim 22 is traversed.

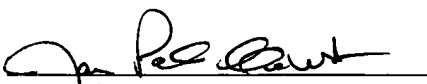
Request for Reconsideration Pursuant to 37 C.F.R. 1.111

Having responded to each and every ground for objection and rejection in the Office action mailed 26 July 2005, applicants request reconsideration of the instant application

pursuant to 37 CFR 1.111 and request that the Examiner allow all of the pending claims and pass the application to issue.

Should there remain unresolved issues the applicants respectfully request that Examiner telephone the applicants' attorney at 732-578-0103 x11 so that those issues can be resolved as quickly as possible.

Respectfully,
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Date 11/3/05

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